MOTOROLA SOLUTIONS

ACCREDITED
TESTING CERT # 2518.01

DECLARATION OF COMPLIANCE SAR ASSESSMENT Part 2 of 2

Motorola Solutions Inc.
EME Test Laboratory
8000 West Sunrise Blvd
Fort Lauderdale, FL. 33322

Date of Report: 10/16/2012
Report Revision: A
Report ID: SR10604 APX3000 7/800 Rev A 121016

Responsible Engineer:	Michael Sailsman(Senior Staff EME Engineer)
Report Author:	Michael Sailsman (Senior Staff EME Engineer)
Date/s Tested:	7/23/2012-10/15/2012
Manufacturer/Location:	Motorola, Penang
Sector/Group/Div.:	AESS – Astro Engineering Subscriber Solutions
Date submitted for test:	7/11/2012
DUT Description:	764-775 MHz and 794-805 MHz at 2.5 W, 806 -824 MHz and 851-870 MHz at 3 W, 6.25kHz/12.5kHz/25kHz, Capable of digital and analog FM transmission. Also capable of TDMA transmission. This radio is Bluetooth equipped.
Test TX mode(s):	CW (PTT); CW (Bluetooth)
Max. Power output:	2.99 W (764MHz – 805 MHz); 3.6 W (806-870 MHz); 10 mW (Bluetooth)
Nominal Power:	2.5 W (764MHz – 805 MHz); 3.0 W (806-870 MHz); 10 mW (Bluetooth)
Tx Frequency Bands:	764-775 MHz , 794-805 MHz ; 806 -824 MHz; 851-870 MHz ; 2.402-2.480 GHz (Bluetooth)
Signaling type:	FM, TDMA, FHSS (Bluetooth)
Model(s) Tested:	H59UCD9PW4AN (MUF1611)
Model(s) Certified:	H59UCD9PW4AN (MUF1611)
Serial Number(s):	536TNM0184
Classification:	Occupational/Controlled
FCC ID:	AZ489FT5860; Rule Part 90 (764-869MHz); Rule Part 15 (2402 – 2480 MHz) Results outside FCC bands are not applicable for FCC compliance demonstration.
IC:	109U-89FT5860

* Refer to section 15 of part 1 for highest SAR summary results.

The test results clearly demonstrate compliance with FCC Occupational/Controlled RF Exposure limits of 8 W/kg averaged over 1 gram per the requirements of 47 CFR 2.1093(d). The 10 grams result is not applicable to FCC filing. Results outside FCC bands are not applicable for FCC compliance demonstration. The test results clearly demonstrate compliance with ICNIRP (1998) Guidelines for limiting exposure in time-varying electric, magnetic, and electromagnetic fields (up to 300 GHz), Health Physics 74, 494-522 RF Exposure limits of 10 W/kg averaged over 10grams of contiguous tissue.

Based on the information and the testing results provided herein, the undersigned certifies that when used as stated in the operating instructions supplied, said product complies with the national and international reference standards and guidelines listed in section 3.0 of this report. This report shall not be reproduced without written approval from an officially designated representative of the Motorola Solutions Inc EME Laboratory.
I attest to the accuracy of the data and assume full responsibility for the completeness of these measurements. This reporting format is consistent with the suggested guidelines of the TIA TSB-150 December 2004. The results and statements contained in this report pertain only to the device(s) evaluated.

Deanna Zakharia

Deanna Zakharia
EMS EME Lab Senior Resource Manager,
Laboratory Director
Approval Date: 10/17/2012

Certification Date: 10/17/2012

Certification No.: L1121010P

APPENDIX D
System Check Scans

Motorola Solutions, Inc. EME Laboratory
Date/Time: 7/23/2012 11:46:26 AM

Robot#: DASY5-FL-3 | Run#:	JsT-SYSP-835B-120723-01
Dipole Model#	D835V2
Phantom#:	OVAL1016
Tissue Temp:	21.2 (C)
Serial#:	435
Test Freq:	835 (MHz)
Start Power:	250 (mW)

Rotation (1D): 0.028 dB

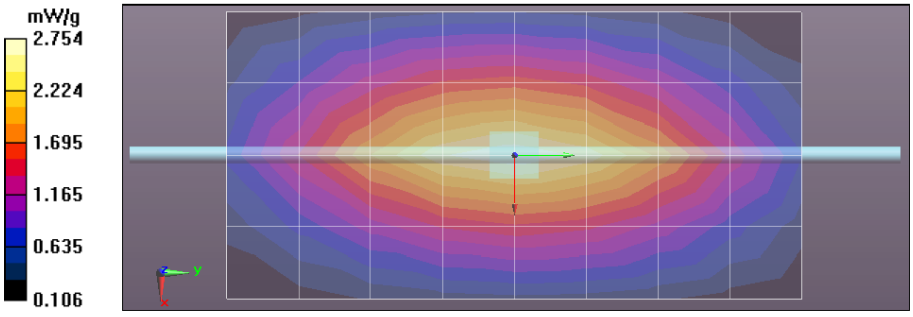
Comments:

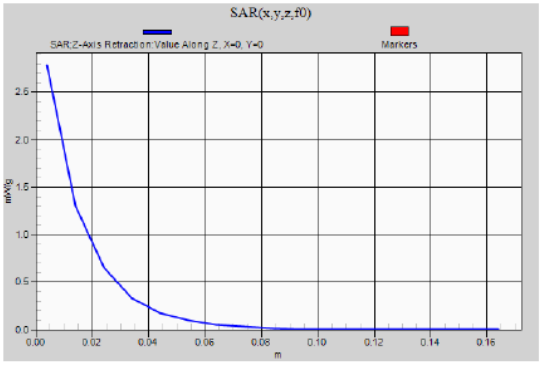
Duty Cycle: 1:1, Medium parameters used: f = 835 MHz; σ = 1.01 mho/m; ε_r = 54.4; ρ = 1000 kg/m^3
Probe: ES3DV3 - SN3163, , ConvF(6.02, 6.02, 6.02); Calibrated: 4/25/2012
Electronics: DAE3 Sn363, Calibrated: 1/20/2012

Below 3 GHz-Rev.4/System Performance Check/Dipole Area Scan 2 (5x9x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 2.75 mW/g

Below 3 GHz-Rev.4/System Performance Check/0-Degree Cube (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 53.027 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 3.720 mW/g
SAR(1 g) = 2.48 mW/g; SAR(10 g) = 1.63 mW/g (SAR corrected for target medium)
Maximum value of SAR (measured) = 2.79 mW/g

Below 3 GHz-Rev.4/System Performance Check/Z-Axis Retraction (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 2.78 mW/g





Motorola Solutions, Inc. EME Laboratory

Date/Time: 7/24/2012 5:28:07 AM

Robot#: DASY5-FL-3 | Run#: ErC-SYSP 835B-120724-01
Dipole Model# D835V2
Phantom#: OVAL1016
Tissue Temp: 20.5 (C)
Serial#: 435
Test Freq: 835 (MHz)
Start Power: 250 (mW)

Rotation (1D): 0.022 dB

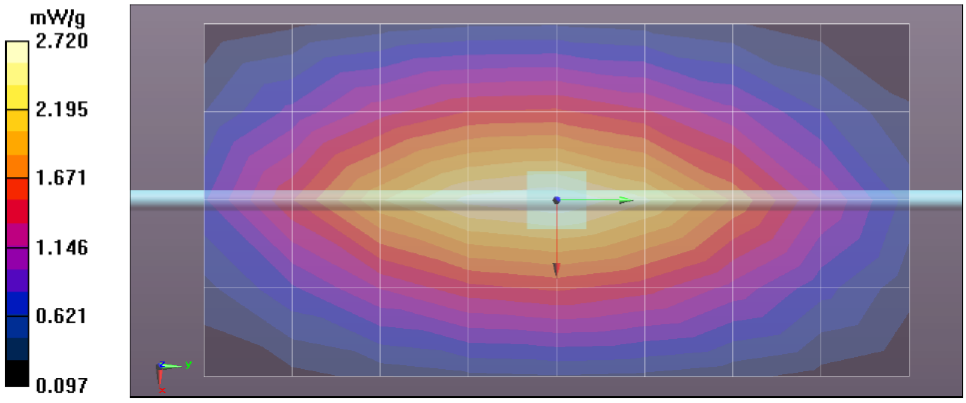
Comments:

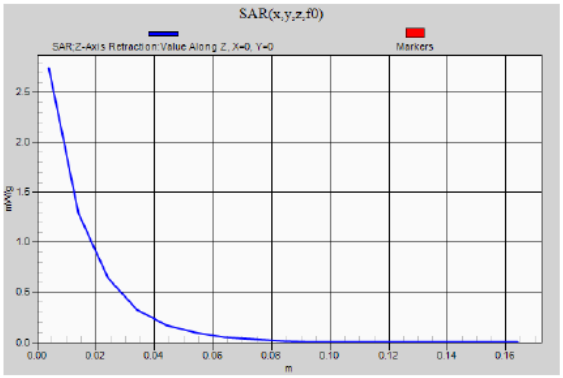
Duty Cycle: 1:1, Medium parameters used: f = 835 MHz; σ = 1.01 mho/m; ε_r = 53.9; ρ = 1000 kg/m^3
Probe: ES3DV3 - SN3163, , ConvF(6.02, 6.02, 6.02); Calibrated: 4/25/2012
Electronics: DAE3 Sn363, Calibrated: 1/20/2012

Below 3 GHz-Rev.4/System Performance Check/Dipole Area Scan 2 (5x9x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 2.72 mW/g

Below 3 GHz-Rev.4/System Performance Check/0-Degree Cube (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 52.873 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 3.656 mW/g
SAR(1 g) = 2.43 mW/g; SAR(10 g) = 1.61 mW/g (SAR corrected for target medium)
Maximum value of SAR (measured) = 2.74 mW/g

Below 3 GHz-Rev.4/System Performance Check/Z-Axis Retraction (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm





Motorola Solutions, Inc. EME Laboratory

Date/Time: 7/25/2012 5:34:53 AM

Robot#: DASY5-FL-3 | Run#: ErC-SYSP 835B-120725-01
Dipole Model# D835V2
Phantom#: OVAL1016
Tissue Temp: 20.7 (C)
Serial#: 435
Test Freq: 835 (MHz)
Start Power: 250 (mW)

Rotation (1D): 0.023 dB

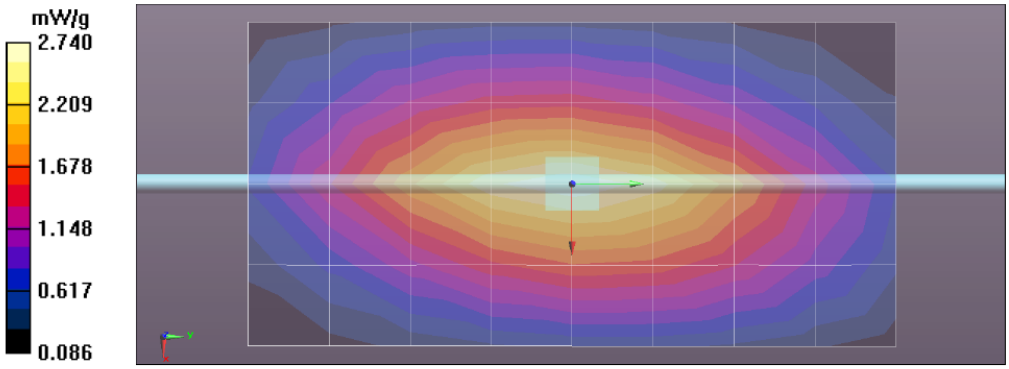
Comments:

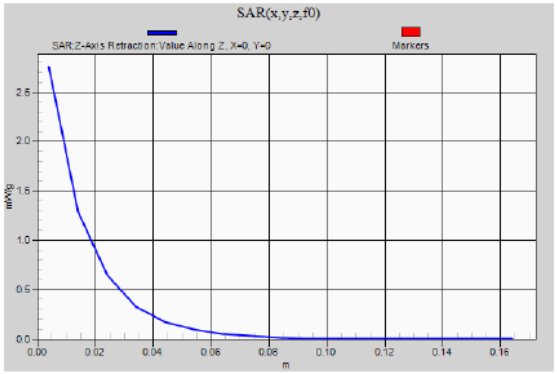
Duty Cycle: 1:1, Medium parameters used: f = 835 MHz; σ = 1.01 mho/m; ε_r = 53.8; ρ = 1000 kg/m^3
Probe: ES3DV3 - SN3163, , ConvF(6.02, 6.02, 6.02); Calibrated: 4/25/2012
Electronics: DAE3 Sn363, Calibrated: 1/20/2012

Below 3 GHz-Rev.4/System Performance Check/Dipole Area Scan 2 (5x9x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 2.74 mW/g

Below 3 GHz-Rev.4/System Performance Check/0-Degree Cube (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 52.747 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 3.712 mW/g
SAR(1 g) = 2.46 mW/g; SAR(10 g) = 1.62 mW/g (SAR corrected for target medium)
Maximum value of SAR (measured) = 2.77 mW/g

Below 3 GHz-Rev.4/System Performance Check/Z-Axis Retraction (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 2.75 mW/g





Motorola Solutions, Inc. EME Laboratory

Date/Time: 7/26/2012 7:19:48 AM

Robot#: DASY5-FL-3 | Run#: ErC-SYSP 835B-120726-01
Dipole Model# D835V2
Phantom#: OVAL1016
Tissue Temp: 20.5 (C)
Serial#: 435
Test Freq: 835 (MHz)
Start Power: 250 (mW)

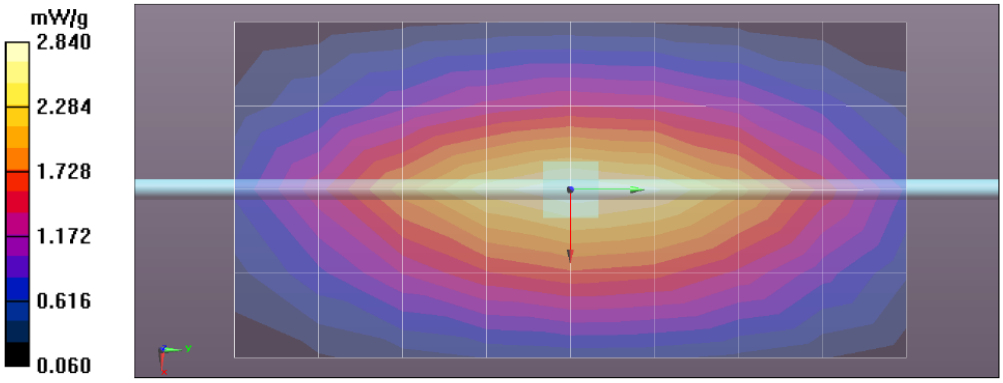
Rotation (1D): 0.029 dB

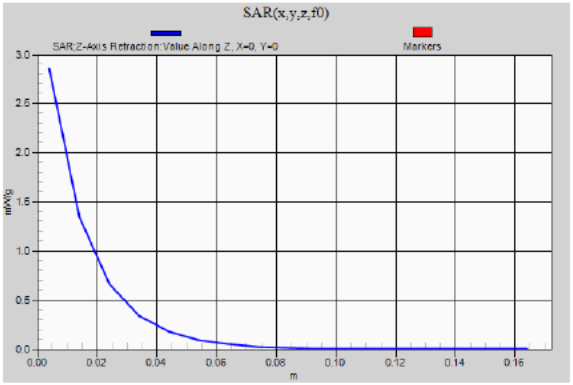
Comments:
Duty Cycle: 1:1, Medium parameters used: f = 835 MHz; σ = 0.99 mho/m; ε_r = 54.2; ρ = 1000 kg/m^3
Probe: ES3DV3 - SN3163, , ConvF(6.02, 6.02, 6.02); Calibrated: 4/25/2012
Electronics: DAE3 Sn363, Calibrated: 1/20/2012

Below 3 GHz-Rev.4/System Performance Check/Dipole Area Scan 2 (5x9x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 2.84 mW/g

Below 3 GHz-Rev.4/System Performance Check/0-Degree Cube (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 54.623 V/m; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 3.841 mW/g
SAR(1 g) = 2.59 mW/g; SAR(10 g) = 1.7 mW/g (SAR corrected for target medium)
Maximum value of SAR (measured) = 2.86 mW/g

Below 3 GHz-Rev.4/System Performance Check/Z-Axis Retraction (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 2.85 mW/g





Motorola Solutions, Inc. EME Laboratory
Date/Time: 9/12/2012 1:26:09 PM

Robot#: DASY5-FL-3 | Run#: ErC-SYSP-835B-120912-03
Dipole Model# D835V2
Phantom#: OVAL1021
Tissue Temp: 20.7 (C)
Serial#: 435
Test Freq: 835 (MHz)
Start Power: 250 (mW)

Rotation (1D): 0.026 dB

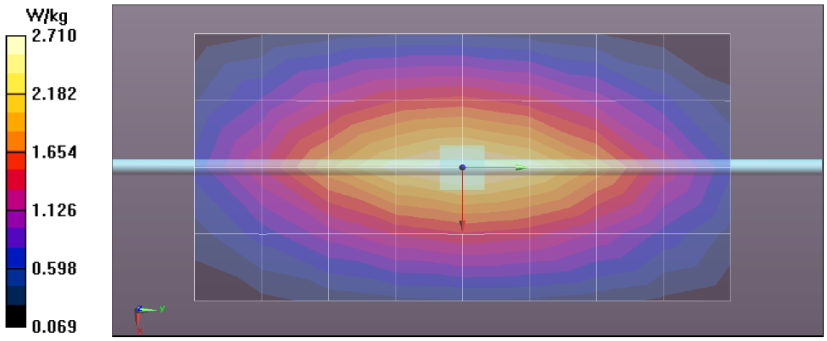
Comments:

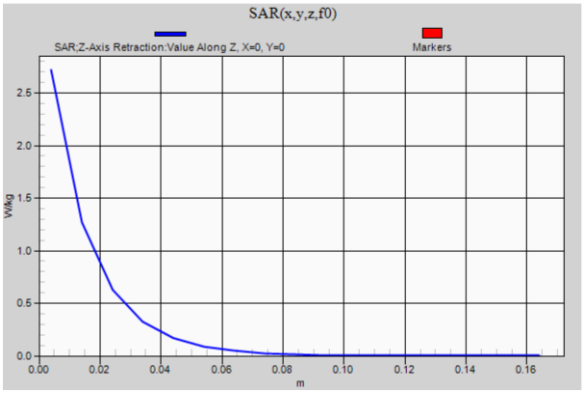
Duty Cycle: 1:1, Medium parameters used: f = 835 MHz; σ = 1.01 mho/m; ε_r = 54.2; ρ = 1000 kg/m^3
Probe: ES3DV3 - SN3163, , ConvF(6.02, 6.02, 6.02); Calibrated: 4/25/2012
Electronics: DAE3 Sn363, Calibrated: 1/20/2012

Below 3 GHz-Rev.4/System Performance Check/Dipole Area Scan 2 (5x9x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 2.71 W/kg

Below 3 GHz-Rev.4/System Performance Check/0-Degree Cube (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 52.432 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 3.672 mW/g
SAR(1 g) = 2.42 mW/g; SAR(10 g) = 1.59 mW/g (SAR corrected for target medium)
Maximum value of SAR (measured) = 2.72 W/kg

Below 3 GHz-Rev.4/System Performance Check/Z-Axis Retraction (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm





Motorola Solutions, Inc. EME Laboratory

Date/Time: 9/14/2012 5:48:24 AM

Robot#: DASY5-FL-3 | Run#: ErC-SYSP-835B-120914-01
Dipole Model# D835V2
Phantom#: OVAL1021
Tissue Temp: 20.9 (C)
Serial#: 435
Test Freq: 835 (MHz)
Start Power: 250 (mW)

Rotation (1D): 0.04 dB

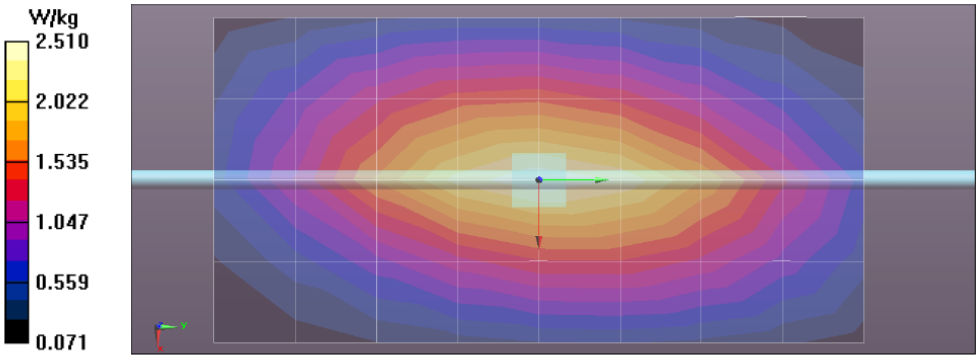
Comments:

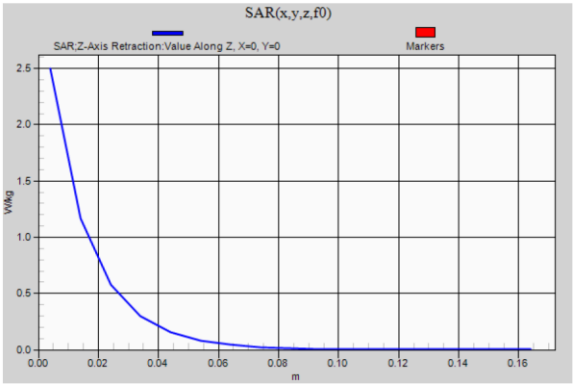
Duty Cycle: 1:1, Medium parameters used: f = 835 MHz; σ = 0.97 mho/m; ε_r = 54.1; ρ = 1000 kg/m^3
Probe: ES3DV3 - SN3163, , ConvF(6.02, 6.02, 6.02); Calibrated: 4/25/2012
Electronics: DAE3 Sn363, Calibrated: 1/20/2012

Below 3 GHz-Rev.4/System Performance Check/Dipole Area Scan 2 (5x9x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 2.51 W/kg

Below 3 GHz-Rev.4/System Performance Check/0-Degree Cube (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 51.640 V/m; Power Drift = -0.00 dB
Peak SAR (extrapolated) = 3.368 mW/g
SAR(1 g) = 2.3 mW/g; SAR(10 g) = 1.51 mW/g (SAR corrected for target medium)
Maximum value of SAR (measured) = 2.50 W/kg

Below 3 GHz-Rev.4/System Performance Check/Z-Axis Retraction (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm





Motorola Solutions, Inc. EME Laboratory
Date/Time: 9/19/2012 9:05:35 AM

Robot#: DASY5-FL-3 | Run#: JsT-SYSP-835B-120919-06
Dipole Model# D835V2
Phantom#: OVAL1021
Tissue Temp: 20.7 (C)
Serial#: 435
Test Freq: 835 (MHz)
Start Power: 250 (mW)

Rotation (1D): 0.084 dB

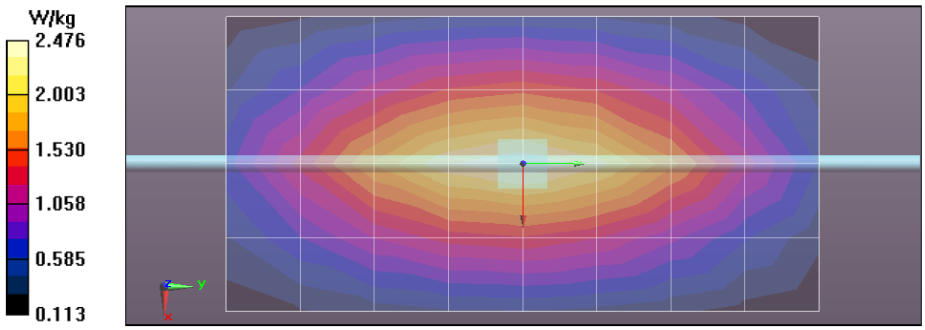
Comments:

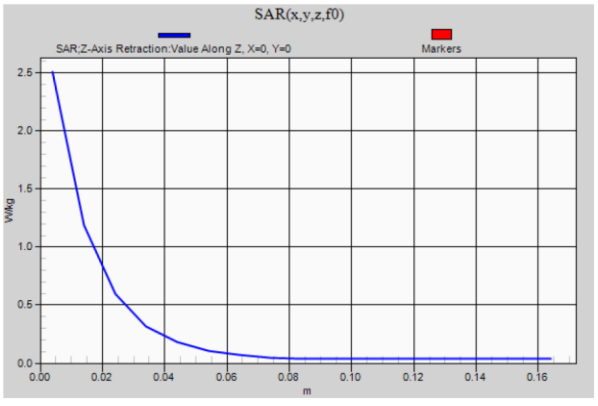
Duty Cycle: 1:1, Medium parameters used: f = 835 MHz; σ = 0.97 mho/m; ε_r = 52.9; ρ = 1000 kg/m^3
Probe: ES3DV3 - SN3163, , ConvF(6.02, 6.02, 6.02); Calibrated: 4/25/2012
Electronics: DAE3 Sn363, Calibrated: 1/20/2012

Below 3 GHz-Rev.4/System Performance Check/Dipole Area Scan 2 (5x9x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 2.48 W/kg

Below 3 GHz-Rev.4/System Performance Check/0-Degree Cube (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 50.824 V/m; Power Drift = 0.14 dB
Peak SAR (extrapolated) = 3.343 mW/g
SAR(1 g) = 2.28 mW/g; SAR(10 g) = 1.5 mW/g (SAR corrected for target medium)
Maximum value of SAR (measured) = 2.49 W/kg

Below 3 GHz-Rev.4/System Performance Check/Z-Axis Retraction (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 2.51 W/kg





Motorola Solutions, Inc. EME Laboratory
Date/Time: 10/15/2012 12:50:35 PM

Robot#: DASY5-FL-3 | Run#: ErC-SYSP-835B-121015-06
Dipole Model# D835V2
Phantom#: OVAL1021
Tissue Temp: 21.8 (C)
Serial#: 427
Test Freq: 835 (MHz)
Start Power: 250 (mW)

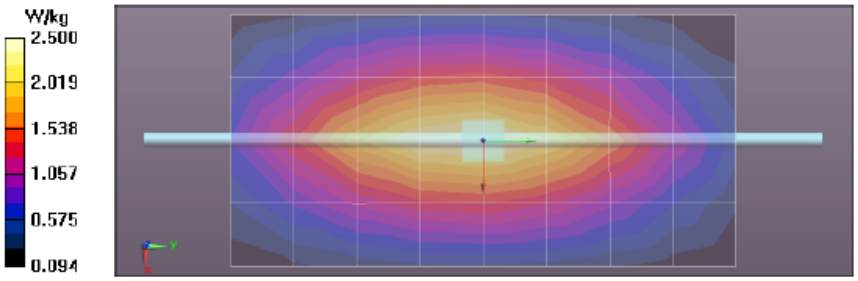
Target SAR (1W): 8.81 mW/g (1g)
Adjusted SAR (1W): 9.12 mW/g (1g)
Percent from Target (+/-): 3.5 % (1g)
Rotation (1D): 0.038 dB

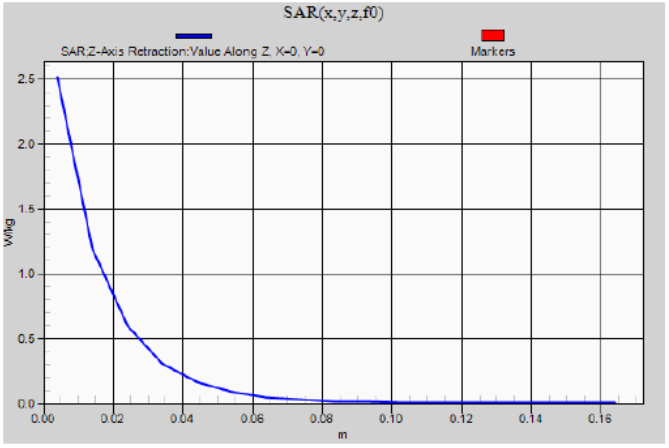
Comments:
Duty Cycle: 1:1, Medium parameters used: f = 835 MHz; σ = 0.99 mho/m; ε_r = 55.3; ρ = 1000 kg/m^3
Probe: ES3DV3 - SN3163, , ConvF(6.02, 6.02, 6.02); Calibrated: 4/25/2012
Electronics: DAE3 Sn363, Calibrated: 1/20/2012

Below 3 GHz-Rev.4/System Performance Check/Dipole Area Scan 2 (5x9x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 2.50 W/kg

Below 3 GHz-Rev.4/System Performance Check/0-Degree Cube (5x5x7)/Cube 0:
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 51.290 V/m; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 3.336 mW/g
SAR(1 g) = 2.28 mW/g; SAR(10 g) = 1.51 mW/g (SAR corrected for target medium)

Below 3 GHz-Rev.4/System Performance Check/Z-Axis Retraction (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 2.51 W/kg





APPENDIX E
DUT Scans (Shortened Scan and Highest SAR configurations)

Shortened Scan Result
Table 29

Motorola Solutions, Inc. EME Laboratory
Date/Time: 10/15/2012 1:25:09 PM

Robot#: DASY5-FL-3 | Run#: ErC-Ab-121015-07
Model#: H59UCD9PW4AN (MUF1611)
Phantom#: OVAL1021
Tissue Temp: 21.6 (C)
Serial#: 536TNM0184
Antenna: NAR6595A
Test Freq: 809.0000 (MHz)
Battery: NNTN8129A
Carry Acc: PMLN7008A
Audio Acc: NTN5274B
Start Power: 3.71 (W)

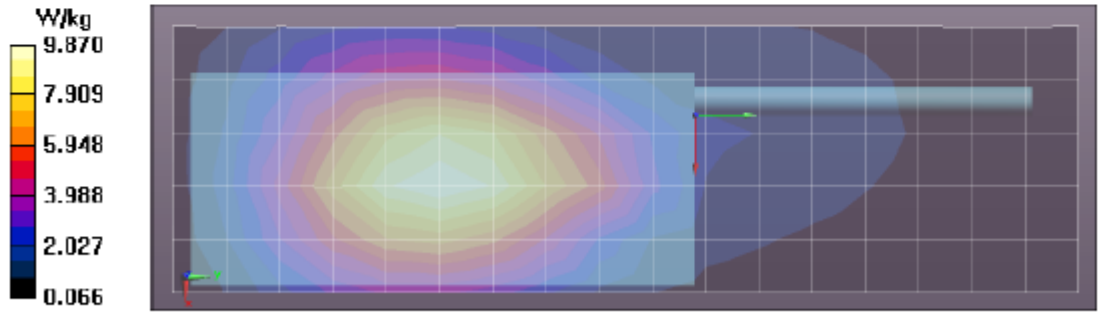
Comments: Short Scan

Duty Cycle: 1:1, Medium parameters used: f = 809 MHz; σ = 0.97 mho/m; ε_r = 55.6; ρ = 1000 kg/m^3
Probe: ES3DV3 - SN3163, , ConvF(6.02, 6.02, 6.02); Calibrated: 4/25/2012
Electronics: DAE3 Sn363, Calibrated: 1/20/2012

Below 3 GHz-Rev.5/Ab Scan/1-Area Scan (6x18x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 9.87 W/kg

Below 3 GHz-Rev.5/Ab Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 100.8 V/m; Power Drift = -0.00 dB
Peak SAR (extrapolated) = 11.357 mW/g
SAR(1 g) = 8.99 mW/g; SAR(10 g) = 6.62 mW/g (SAR corrected for target medium)
Maximum value of SAR (measured) = 9.49 W/kg

Below 3 GHz-Rev.5/Ab Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm



Shortened scan reflect highest SAR producing configuration; approximate run time is 5 minutes.
Representative full scan run time was 18 minutes.
"Shortened" scan max calculated SAR using SAR drift: 1-g Avg. = 4.50 mW/g; 10-g Avg. = 3.31 mW/g.
Zoom scan max calculated SAR using SAR drift (see part 1 table 24): 1-g Avg. = 4.56 mW/g; 10-g Avg. = 3.34 mW/g.

Body - Highest SAR Configuration Result
Table 22

Motorola Solutions, Inc. EME Laboratory
Date/Time: 7/25/2012 2:19:33 PM

Robot#: DASY5-FL-3 | Run#: ErC-Ab-120725-09
Model#: H59UCD9PW4AN (MUF1611)
Phantom#: OVAL1016
Tissue Temp: 20.1 (C)
Serial#: 536TNM0184
Antenna: NAR6595A
Test Freq: 809.0000 (MHz)
Battery: NNTN8129A
Carry Acc: PMLN7008A
Audio Acc: None
Start Power: 3.71 (W)

Comments: Bluetooth Pod NTN5274B

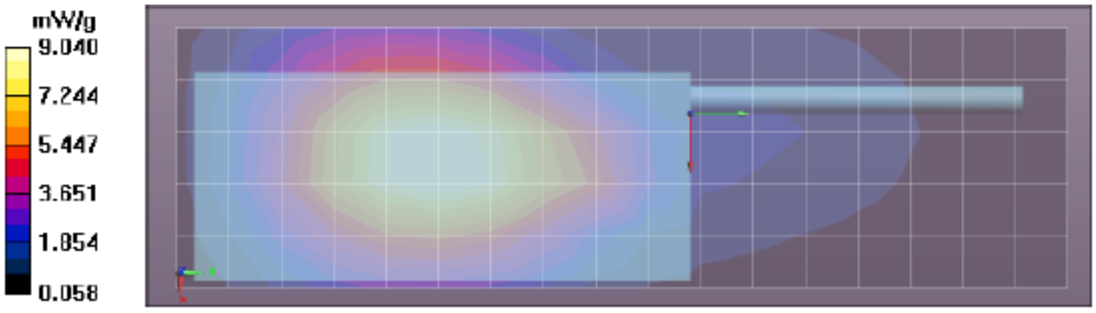
Duty Cycle: 1:1, Medium parameters used: f = 809 MHz; σ = 0.99 mho/m; ε_r = 54.1; ρ = 1000 kg/m^3
Probe: ES3DV3 - SN3163, , ConvF(6.02, 6.02, 6.02); Calibrated: 4/25/2012
Electronics: DAE3 Sn363, Calibrated: 1/20/2012

Below 3 GHz-Rev.5/Ab Scan/1-Area Scan (51x171x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 92.009 V/m; Power Drift = -0.09 dB
Fast SAR: SAR(1 g) = 9.09 mW/g; SAR(10 g) = 6.42 mW/g (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 9.63 mW/g

Below 3 GHz-Rev.5/Ab Scan/1-Area Scan (6x18x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 9.04 mW/g

Below 3 GHz-Rev.5/Ab Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 92.009 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 11.327 mW/g
SAR(1 g) = 8.9 mW/g; SAR(10 g) = 6.52 mW/g (SAR corrected for target medium)
Maximum value of SAR (measured) = 9.43 mW/g

Below 3 GHz-Rev.5/Ab Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 9.41 mW/g



APPENDIX F
DUT Scans - FCC Part 90 (764-775, 794-824 & 851-869 MHz bands)

764-775 MHz Band

Assessment at the body with body worn PMLN4651A
Table 14

Motorola Solutions, Inc. EME Laboratory
Date/Time: 7/25/2012 11:04:06 AM

Robot#: DASY5-FL-3 | Run#: ErC-Ab-120725-07
Model#: H59UCD9PW4AN (MUF1611)
Phantom#: OVAL1016
Tissue Temp: 20.2 (C)
Serial#: 536TNM0184
Antenna: NAR6595A
Test Freq: 775.0000 (MHz)
Battery: NNTN8129A
Carry Acc: PMLN4651A
Audio Acc: HMN4104B
Start Power: 3.04 (W)

Comments:

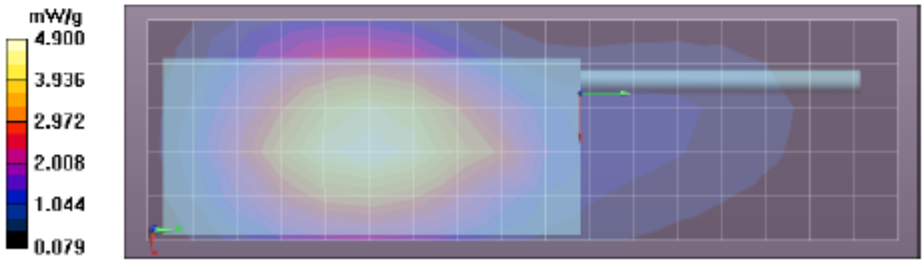
Duty Cycle: 1:1, Medium parameters used: f = 775 MHz; σ = 0.95 mho/m; ε_r = 54.4; ρ = 1000 kg/m^3
Probe: ES3DV3 - SN3163, , ConvF(6.16, 6.16, 6.16); Calibrated: 4/25/2012
Electronics: DAE3 Sn363, Calibrated: 1/20/2012

Below 3 GHz-Rev.5/Ab Scan/1-Area Scan (51x171x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 63.908 V/m; Power Drift = -0.16 dB
Fast SAR: SAR(1 g) = 4.72 mW/g; SAR(10 g) = 3.34 mW/g (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 4.99 mW/g

Below 3 GHz-Rev.5/Ab Scan/1-Area Scan (6x18x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 4.90 mW/g

Below 3 GHz-Rev.5/Ab Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 63.908 V/m; Power Drift = -0.20 dB
Peak SAR (extrapolated) = 5.634 mW/g
SAR(1 g) = 4.48 mW/g; SAR(10 g) = 3.32 mW/g (SAR corrected for target medium)
Maximum value of SAR (measured) = 4.72 mW/g

Below 3 GHz-Rev.5/Ab Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm



Assessment at the body with body worn PMLN7008A
Table 15

Motorola Solutions, Inc. EME Laboratory
Date/Time: 7/23/2012 6:15:11 PM

Robot#: DASY5-FL-3 | Run#:	CM-Ab-120723-07
Model#:	H59UCD9PW4AN (MUF1611)
Phantom#:	OVAL1016
Tissue Temp:	20.4 (C)
Serial#:	536TNM0184
Antenna:	NAR6595A
Test Freq:	775.0000 (MHz)
Battery:	NNTN8128B
Carry Acc:	PMLN7008A
Audio Acc:	HMN4104B
Start Power:	3.05 (W)

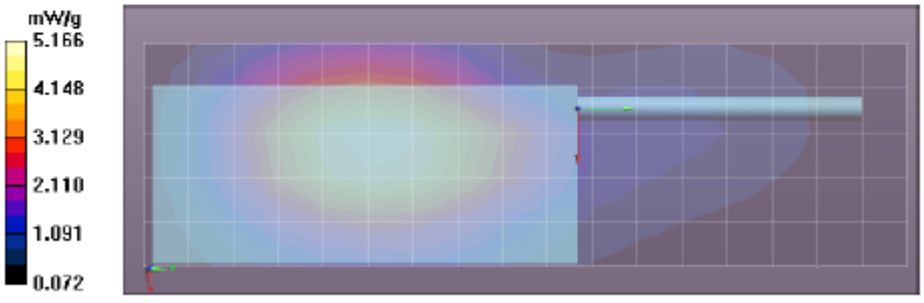
Comments: Full Scan

Duty Cycle: 1:1, Medium parameters used: f = 775 MHz; σ = 0.94 mho/m; ε_r = 55; ρ = 1000 kg/m^3
Probe: ES3DV3 - SN3163, , ConvF(6.16, 6.16, 6.16); Calibrated: 4/25/2012
Electronics: DAE3 Sn363, Calibrated: 1/20/2012

Below 3 GHz-Rev.5/Ab Scan/1-Area Scan (51x171x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 70.052 V/m; Power Drift = -0.17 dB
Fast SAR: SAR(1 g) = 5.12 mW/g; SAR(10 g) = 3.62 mW/g (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 5.35 mW/g

Below 3 GHz-Rev.5/Ab Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 70.052 V/m; Power Drift = -0.30 dB
Peak SAR (extrapolated) = 6.049 mW/g
SAR(1 g) = 4.97 mW/g; SAR(10 g) = 3.71 mW/g (SAR corrected for target medium)
Maximum value of SAR (measured) = 5.18 mW/g

Below 3 GHz-Rev.5/Ab Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 5.07 mW/g



Assessment at the body with body worn PMLN6327A
Table 16

Motorola Solutions, Inc. EME Laboratory
Date/Time: 7/24/2012 3:03:37 PM

Robot#: DASY5-FL-3 | Run#: ErC-Ab-120724-11
Model#: H59UCD9PW4AN (MUF1611)
Phantom#: OVAL1016
Tissue Temp: 20.6 (C)
Serial#: 536TNM0184
Antenna: NAR6595A
Test Freq: 775.0000 (MHz)
Battery: NNTN8305A
Carry Acc: PMLN6327A
Audio Acc: HMN4104B
Start Power: 3.06 (W)

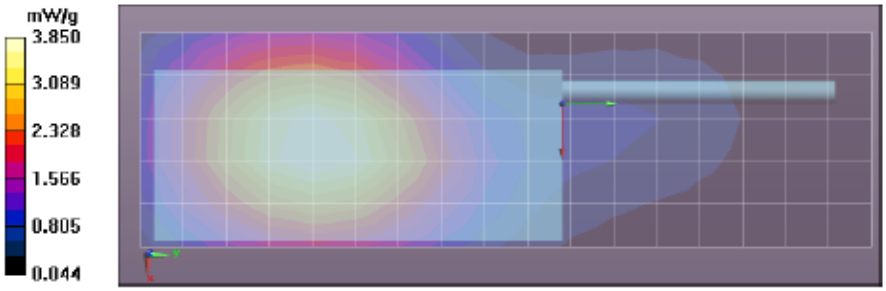
Comments:
Duty Cycle: 1:1, Medium parameters used: f = 775 MHz; σ = 0.95 mho/m; ε_r = 54.5; ρ = 1000 kg/m^3
Probe: ES3DV3 - SN3163, , ConvF(6.16, 6.16, 6.16); Calibrated: 4/25/2012
Electronics: DAE3 Sn363, Calibrated: 1/20/2012

Below 3 GHz-Rev.5/Ab Scan/1-Area Scan (51x171x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 61.407 V/m; Power Drift = -0.16 dB
Fast SAR: SAR(1 g) = 3.76 mW/g; SAR(10 g) = 2.69 mW/g (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 3.95 mW/g

Below 3 GHz-Rev.5/Ab Scan/1-Area Scan (6x18x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 3.85 mW/g

Below 3 GHz-Rev.5/Ab Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 61.407 V/m; Power Drift = -0.23 dB
Peak SAR (extrapolated) = 4.517 mW/g
SAR(1 g) = 3.66 mW/g; SAR(10 g) = 2.76 mW/g (SAR corrected for target medium)
Maximum value of SAR (measured) = 3.84 mW/g

Below 3 GHz-Rev.5/Ab Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 3.80 mW/g



Assessment at the body with other audio accessories

Assessment per "KDB 643646 D01 Body SAR Test Consideration for Audio Accessories without Built-in Antenna; Sec 1, A. when overall < 4.0 W/kg, SAR tested for that audio accessory is not necessary." This was applicable to all remaining accessories.

Assessment of wireless BT configuration
Table 17

Motorola Solutions, Inc. EME Laboratory
Date/Time: 9/12/2012 2:16:25 PM

Robot#: DASY5-FL-3 | Run#: ErC-Ab-120912-04
Model#: H59UCD9PW4AN (MUF1611)
Phantom#: OVAL1021
Tissue Temp: 20.7 (C)
Serial#: 536TNM0184
Antenna: NAR6595A
Test Freq: 775.0000 (MHz)
Battery: NNTN8128B
Carry Acc: PMLN7008A
Audio Acc: NTN2574B
Start Power: 3.08 (W)

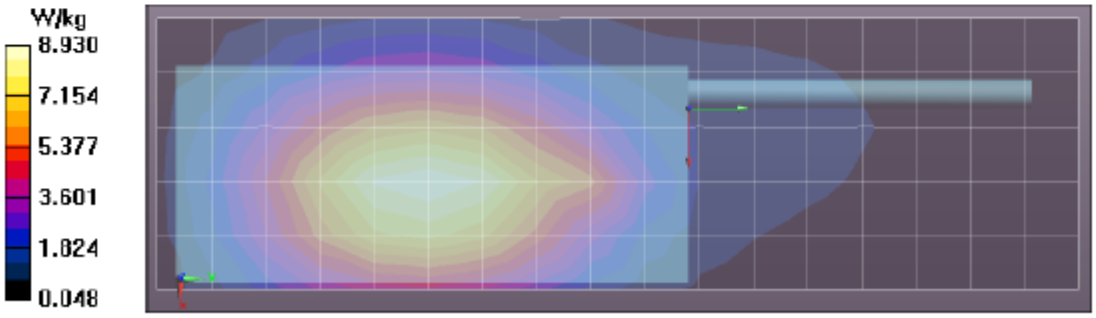
Comments:

Duty Cycle: 1:1, Medium parameters used: f = 775 MHz; σ = 0.95 mho/m; ε_r = 54.8; ρ = 1000 kg/m^3
Probe: ES3DV3 - SN3163, , ConvF(6.16, 6.16, 6.16); Calibrated: 4/25/2012
Electronics: DAE3 Sn363, Calibrated: 1/20/2012

Below 3 GHz-Rev.5/Ab Scan/1-Area Scan (6x18x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 8.93 W/kg

Below 3 GHz-Rev.5/Ab Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 76.345 V/m; Power Drift = -0.29 dB
Peak SAR (extrapolated) = 10.189 mW/g
SAR(1 g) = 8.28 mW/g; SAR(10 g) = 6.17 mW/g (SAR corrected for target medium)
Maximum value of SAR (measured) = 8.71 W/kg

Below 3 GHz-Rev.5/Ab Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 8.61 W/kg



794-824 MHz band

Assessment at the body with body worn PMLN4651A
Table 19

Motorola Solutions, Inc. EME Laboratory
Date/Time: 7/23/2012 9:49:43 PM

Robot#: DASY5-FL-3 | Run#:	CM-Ab-120723-10
Model#:	H59UCD9PW4AN (MUF1611)
Phantom#:	OVAL1016
Tissue Temp:	20.3 (C)
Serial#:	536TNM0184
Antenna:	NAR6595A
Test Freq:	809.0000 (MHz)
Battery:	NNTN8128B
Carry Acc:	PMLN4651A
Audio Acc:	HMN4104B
Start Power:	3.70 (W)

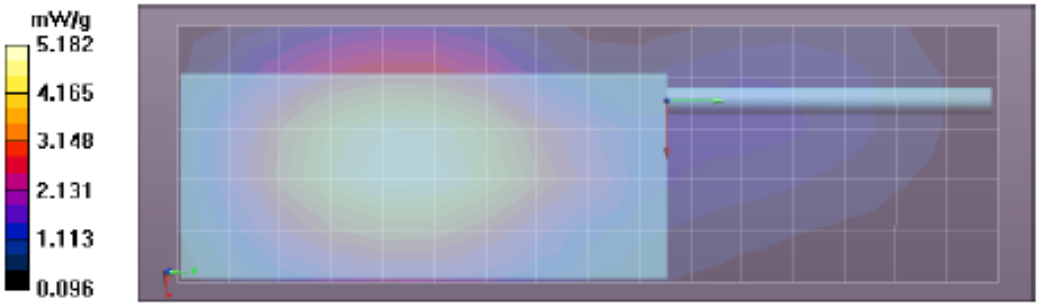
Comments: Full Scan

Duty Cycle: 1:1, Medium parameters used: f = 809 MHz; σ = 0.98 mho/m; ε_r = 54.7; ρ = 1000 kg/m^3
Probe: ES3DV3 - SN3163, , ConvF(6.02, 6.02, 6.02); Calibrated: 4/25/2012
Electronics: DAE3 Sn363, Calibrated: 1/20/2012

Below 3 GHz-Rev.5/Ab Scan/1-Area Scan (51x161x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 65.622 V/m; Power Drift = -0.21 dB
Fast SAR: SAR(1 g) = 5.11 mW/g; SAR(10 g) = 3.61 mW/g (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 5.41 mW/g

Below 3 GHz-Rev.5/Ab Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 65.622 V/m; Power Drift = -0.28 dB
Peak SAR (extrapolated) = 6.133 mW/g
SAR(1 g) = 4.94 mW/g; SAR(10 g) = 3.68 mW/g (SAR corrected for target medium)
Maximum value of SAR (measured) = 5.22 mW/g

Below 3 GHz-Rev.5/Ab Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 5.15 mW/g



Assessment at the body with body worn PMLN7008A
Table 20

Motorola Solutions, Inc. EME Laboratory
Date/Time: 7/24/2012 7:29:49 AM

Robot#: DASY5-FL-3 | Run#: ErC-Ab-120724-03
Model#: H59UCD9PW4AN (MUF1611)
Phantom#: OVAL1016
Tissue Temp: 20.5 (C)
Serial#: 536TNM0184
Antenna: NAR6595A
Test Freq: 809.0000 (MHz)
Battery: NNTN8129A
Carry Acc: PMLN7008A
Audio Acc: HMN4104B
Start Power: 3.69 (W)

Comments:

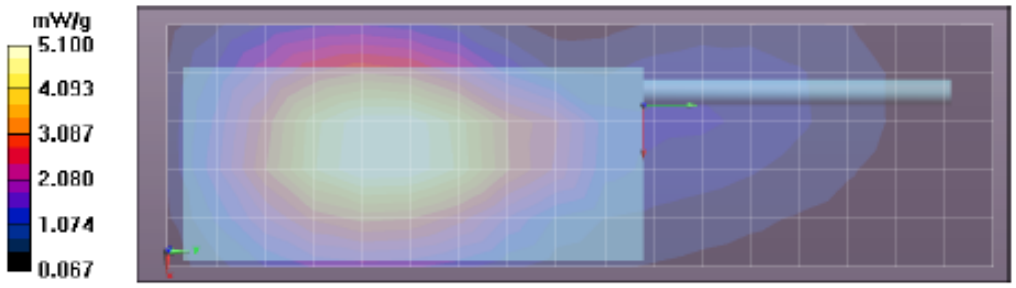
Duty Cycle: 1:1, Medium parameters used: f = 809 MHz; σ = 0.99 mho/m; ε_r = 54.2; ρ = 1000 kg/m^3
Probe: ES3DV3 - SN3163, , ConvF(6.02, 6.02, 6.02); Calibrated: 4/25/2012
Electronics: DAE3 Sn363, Calibrated: 1/20/2012

Below 3 GHz-Rev.5/Ab Scan/1-Area Scan (51x171x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 70.183 V/m; Power Drift = -0.18 dB
Fast SAR: SAR(1 g) = 5.19 mW/g; SAR(10 g) = 3.65 mW/g (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 5.49 mW/g

Below 3 GHz-Rev.5/Ab Scan/1-Area Scan (6x18x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 5.10 mW/g

Below 3 GHz-Rev.5/Ab Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 70.183 V/m; Power Drift = -0.24 dB
Peak SAR (extrapolated) = 6.380 mW/g
SAR(1 g) = 5.01 mW/g; SAR(10 g) = 3.67 mW/g (SAR corrected for target medium)
Maximum value of SAR (measured) = 5.31 mW/g

Below 3 GHz-Rev.5/Ab Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 5.28 mW/g



Assessment at the body with body worn PMLN6327A
Table 21

Motorola Solutions, Inc. EME Laboratory
Date/Time: 7/25/2012 7:27:18 AM

Robot#: DASY5-FL-3 | Run#: ErC-Ab-120725-03
Model#: H59UCD9PW4AN (MUF1611)
Phantom#: OVAL1016
Tissue Temp: 20.5 (C)
Serial#: 536TNM0184
Antenna: NAR6595A
Test Freq: 809.0000 (MHz)
Battery: NNTN8305A
Carry Acc: PMLN6327A
Audio Acc: HMN4104B
Start Power: 3.68 (W)

Comments:

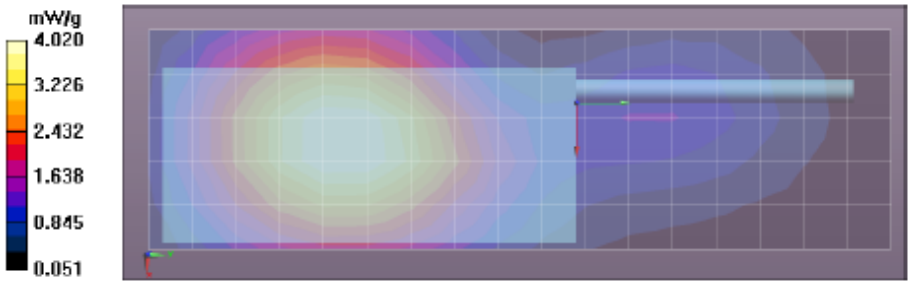
Duty Cycle: 1:1, Medium parameters used: f = 809 MHz; σ = 0.99 mho/m; ε_r = 54.1; ρ = 1000 kg/m^3
Probe: ES3DV3 - SN3163, , ConvF(6.02, 6.02, 6.02); Calibrated: 4/25/2012
Electronics: DAE3 Sn363, Calibrated: 1/20/2012

Below 3 GHz-Rev.5/Ab Scan/1-Area Scan (51x171x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 63.077 V/m; Power Drift = -0.06 dB
Fast SAR: SAR(1 g) = 4.01 mW/g; SAR(10 g) = 2.87 mW/g (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 4.24 mW/g

Below 3 GHz-Rev.5/Ab Scan/1-Area Scan (6x18x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 4.02 mW/g

Below 3 GHz-Rev.5/Ab Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 63.077 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 4.958 mW/g
SAR(1 g) = 3.96 mW/g; SAR(10 g) = 2.97 mW/g (SAR corrected for target medium)
Maximum value of SAR (measured) = 4.17 mW/g

Below 3 GHz-Rev.5/Ab Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 4.16 mW/g



Assessment at the Body with other audio accessories

Assessment per "KDB 643646 D01 Body SAR Test Consideration for Audio Accessories without Built-in Antenna; Sec 1, A. when overall < 4.0 W/kg, SAR tested for that audio accessory is not necessary." This was applicable to all remaining accessories.

Assessment of wireless BT configuration
Table 22

Motorola Solutions, Inc. EME Laboratory
Date/Time: 7/25/2012 2:19:33 PM

Robot#: DASY5-FL-3 | Run#: ErC-Ab-120725-09
Model#: H59UCD9PW4AN (MUF1611)
Phantom#: OVAL1016
Tissue Temp: 20.1 (C)
Serial#: 536TNM0184
Antenna: NAR6595A
Test Freq: 809.0000 (MHz)
Battery: NNTN8129A
Carry Acc: PMLN7008A
Audio Acc: None
Start Power: 3.71 (W)

Comments: Bluetooth Pod NTN5274B

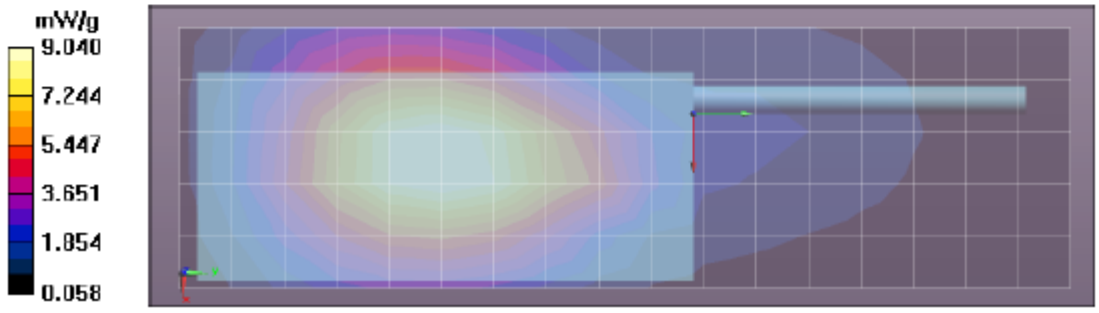
Duty Cycle: 1:1, Medium parameters used: f = 809 MHz; σ = 0.99 mho/m; ε_r = 54.1; ρ = 1000 kg/m^3
Probe: ES3DV3 - SN3163, , ConvF(6.02, 6.02, 6.02); Calibrated: 4/25/2012
Electronics: DAE3 Sn363, Calibrated: 1/20/2012

Below 3 GHz-Rev.5/Ab Scan/1-Area Scan (51x171x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 92.009 V/m; Power Drift = -0.09 dB
Fast SAR: SAR(1 g) = 9.09 mW/g; SAR(10 g) = 6.42 mW/g (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 9.63 mW/g

Below 3 GHz-Rev.5/Ab Scan/1-Area Scan (6x18x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 9.04 mW/g

Below 3 GHz-Rev.5/Ab Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 92.009 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 11.327 mW/g
SAR(1 g) = 8.9 mW/g; SAR(10 g) = 6.52 mW/g (SAR corrected for target medium)
Maximum value of SAR (measured) = 9.43 mW/g

Below 3 GHz-Rev.5/Ab Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 9.41 mW/g



851-869 MHz band

Assessment at the body with body worn PMLN4651A
Table 24

Motorola Solutions, Inc. EME Laboratory
Date/Time: 7/24/2012 9:42:38 AM

Robot#: DASY5-FL-3 | Run#: ErC-Ab-120724-06
Model#: H59UCD9PW4AN (MUF1611)
Phantom#: OVAL1016
Tissue Temp: 20.3 (C)
Serial#: 536TNM0184
Antenna: NAR6595A
Test Freq: 860.5000 (MHz)
Battery: NNTN8129A
Carry Acc: PMLN4651A
Audio Acc: HMN4104B
Start Power: 3.65 (W)

Comments:

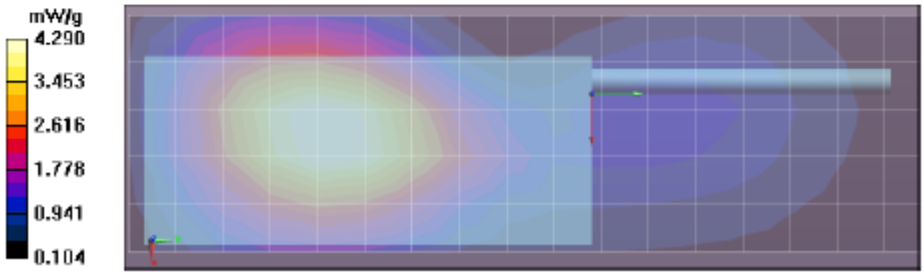
Duty Cycle: 1:1, Medium parameters used: f = 861 MHz; σ = 1.03 mho/m; ε_r = 53.6; ρ = 1000 kg/m^3
Probe: ES3DV3 - SN3163, , ConvF(6.02, 6.02, 6.02); Calibrated: 4/25/2012
Electronics: DAE3 Sn363, Calibrated: 1/20/2012

Below 3 GHz-Rev.5/Ab Scan/1-Area Scan (51x171x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 61.521 V/m; Power Drift = -0.02 dB
Fast SAR: SAR(1 g) = 4.31 mW/g; SAR(10 g) = 3.02 mW/g (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 4.57 mW/g

Below 3 GHz-Rev.5/Ab Scan/1-Area Scan (6x18x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 4.29 mW/g

Below 3 GHz-Rev.5/Ab Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 61.521 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 5.501 mW/g
SAR(1 g) = 4.27 mW/g; SAR(10 g) = 3.1 mW/g (SAR corrected for target medium)
Maximum value of SAR (measured) = 4.52 mW/g

Below 3 GHz-Rev.5/Ab Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 4.51 mW/g



Assessment at the body with body worn PMLN7008A
Table 25

Motorola Solutions, Inc. EME Laboratory
Date/Time: 7/24/2012 10:14:41 AM

Robot#: DASY5-FL-3 | Run#: ErC-Ab-120724-07
Model#: H59UCD9PW4AN (MUF1611)
Phantom#: OVAL1016
Tissue Temp: 20.3 (C)
Serial#: 536TNM0184
Antenna: NAR6595A
Test Freq: 860.5000 (MHz)
Battery: NNTN8128B
Carry Acc: PMLN7008A
Audio Acc: HMN4104B
Start Power: 3.70 (W)

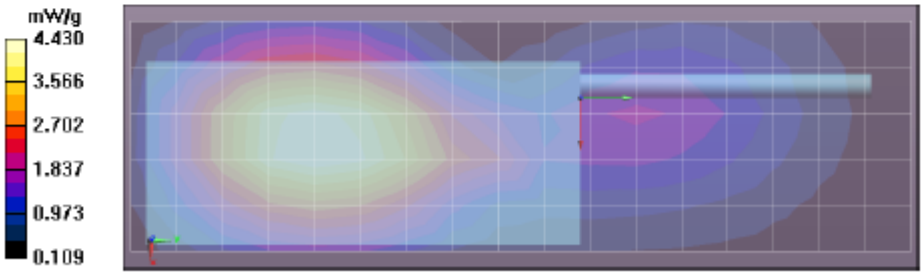
Comments:
Duty Cycle: 1:1, Medium parameters used: f = 861 MHz; σ = 1.03 mho/m; ε_r = 53.6; ρ = 1000 kg/m^3
Probe: ES3DV3 - SN3163, , ConvF(6.02, 6.02, 6.02); Calibrated: 4/25/2012
Electronics: DAE3 Sn363, Calibrated: 1/20/2012

Below 3 GHz-Rev.5/Ab Scan/1-Area Scan (51x171x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 61.602 V/m; Power Drift = -0.05 dB
Fast SAR: SAR(1 g) = 4.38 mW/g; SAR(10 g) = 3.09 mW/g (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 4.63 mW/g

Below 3 GHz-Rev.5/Ab Scan/1-Area Scan (6x18x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 4.43 mW/g

Below 3 GHz-Rev.5/Ab Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 61.602 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 5.391 mW/g
SAR(1 g) = 4.31 mW/g; SAR(10 g) = 3.19 mW/g (SAR corrected for target medium)
Maximum value of SAR (measured) = 4.54 mW/g

Below 3 GHz-Rev.5/Ab Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 4.53 mW/g



Assessment at the body with body worn PMLN6327A
Table 26

Motorola Solutions, Inc. EME Laboratory
Date/Time: 7/25/2012 8:43:48 AM

Robot#: DASY5-FL-3 | Run#: ErC-Ab-120725-05
Model#: H59UCD9PW4AN (MUF1611)
Phantom#: OVAL1016
Tissue Temp: 20.4 (C)
Serial#: 536TNM0184
Antenna: NAR6595A
Test Freq: 860.5000 (MHz)
Battery: NNTN8305A
Carry Acc: PMLN6327A
Audio Acc: HMN4104B
Start Power: 3.61 (W)

Comments:

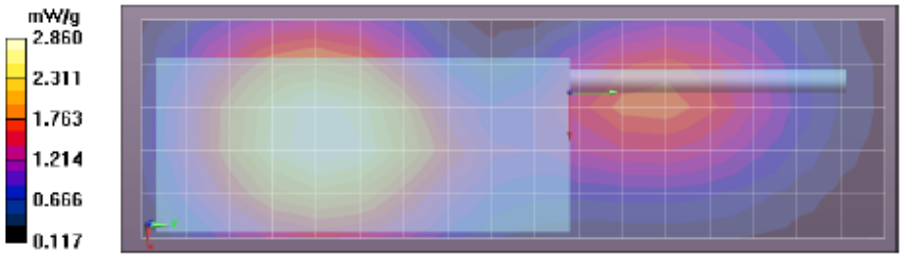
Duty Cycle: 1:1, Medium parameters used: f = 861 MHz; σ = 1.02 mho/m; ε_r = 53.5; ρ = 1000 kg/m^3
Probe: ES3DV3 - SN3163, , ConvF(6.02, 6.02, 6.02); Calibrated: 4/25/2012
Electronics: DAE3 Sn363, Calibrated: 1/20/2012

Below 3 GHz-Rev.5/Ab Scan/1-Area Scan (51x171x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 51.212 V/m; Power Drift = -0.01 dB
Fast SAR: SAR(1 g) = 2.77 mW/g; SAR(10 g) = 1.98 mW/g (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 2.93 mW/g

Below 3 GHz-Rev.5/Ab Scan/1-Area Scan (6x18x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 2.86 mW/g

Below 3 GHz-Rev.5/Ab Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 51.212 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 3.508 mW/g
SAR(1 g) = 2.76 mW/g; SAR(10 g) = 2.06 mW/g (SAR corrected for target medium)
Maximum value of SAR (measured) = 2.91 mW/g

Below 3 GHz-Rev.5/Ab Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm



Assessment of other audio accessories at the body

Assessment per “KDB 643646 D01 Body SAR Test Consideration for Audio Accessories without Built-in Antenna; Sec 1, A. when overall < 4.0 W/kg, SAR tested for that audio accessory is not necessary.” This was applicable to all remaining accessories.

Assessment of wireless BT configuration
Table 27

Motorola Solutions, Inc. EME Laboratory
Date/Time: 7/25/2012 2:55:24 PM

Robot#: DASY5-FL-3 | Run#: ErC-Ab-120725-10
Model#: H59UCD9PW4AN (MUF1611)
Phantom#: OVAL1016
Tissue Temp: 20.1 (C)
Serial#: 536TNM0184
Antenna: NAR6595A
Test Freq: 860.5000 (MHz)
Battery: NNTN8128B
Carry Acc: PMLN7008A
Audio Acc: None
Start Power: 3.63 (W)

Comments: Bluetooth Pod NTN5274B

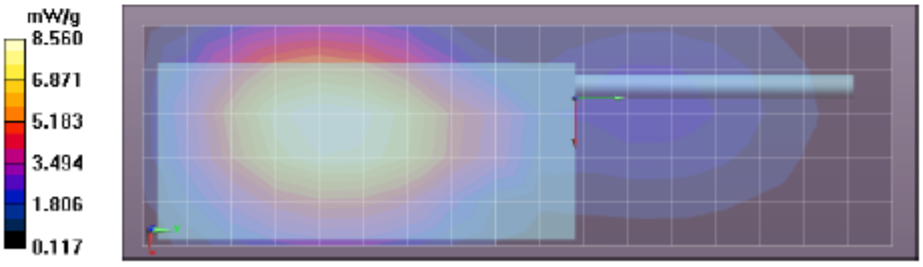
Duty Cycle: 1:1, Medium parameters used: f = 861 MHz; σ = 1.02 mho/m; ε_r = 53.5; ρ = 1000 kg/m^3
Probe: ES3DV3 - SN3163, , ConvF(6.02, 6.02, 6.02); Calibrated: 4/25/2012
Electronics: DAE3 Sn363, Calibrated: 1/20/2012

Below 3 GHz-Rev.5/Ab Scan/1-Area Scan (51x171x1): Measurement grid: dx=15mm, dy=15mm
Reference Value = 90.899 V/m; Power Drift = -0.46 dB
Fast SAR: SAR(1 g) = 8.31 mW/g; SAR(10 g) = 5.89 mW/g (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 8.77 mW/g

Below 3 GHz-Rev.5/Ab Scan/1-Area Scan (6x18x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 8.56 mW/g

Below 3 GHz-Rev.5/Ab Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 90.899 V/m; Power Drift = -0.48 dB
Peak SAR (extrapolated) = 9.333 mW/g
SAR(1 g) = 7.47 mW/g; SAR(10 g) = 5.57 mW/g (SAR corrected for target medium)
Maximum value of SAR (measured) = 7.87 mW/g

Below 3 GHz-Rev.5/Ab Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 7.88 mW/g



APPENDIX G

Assessment outside FCC Part 90 at the body (869-870 MHz)

Table 28

Motorola Solutions, Inc. EME Laboratory
Date/Time: 9/19/2012 11:34:35 PM

Robot#: DASY5-FL-3 | Run#:	CM-Ab-120919-22
Model#:	H59UCD9PW4AN (MUF1611)
Phantom#:	OVAL1021
Tissue Temp:	20.7 (C)
Serial#:	536TNM0184
Antenna:	NAR6595A
Test Freq:	869.8875 (MHz)
Battery:	NNTN8129A
Carry Acc:	None (DUT Flush Against Phantom)
Audio Acc:	NTN2574B
Start Power:	3.73 (W)

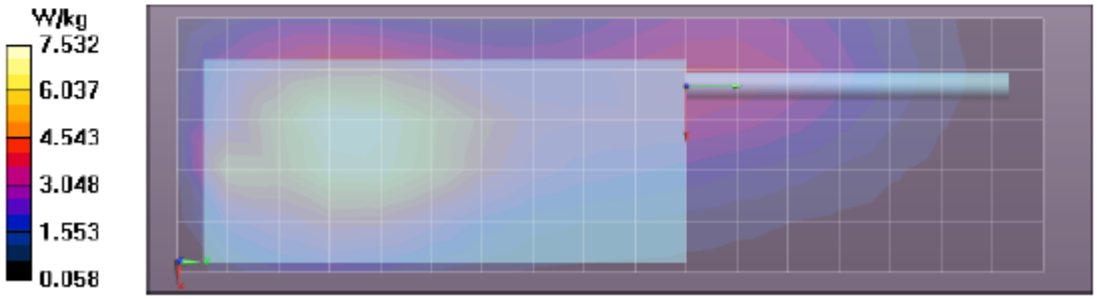
Comments: Full Scan

Duty Cycle: 1:1, Medium parameters used: f = 870 MHz; σ = 1.03 mho/m; ε_r = 52.4; ρ = 1000 kg/m^3
Probe: ES3DV3 - SN3163, , ConvF(6.02, 6.02, 6.02); Calibrated: 4/25/2012
Electronics: DAE3 Sn363, Calibrated: 1/20/2012

Below 3 GHz-Rev.5/Ab Scan/1-Area Scan (51x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Reference Value = 72.594 V/m; Power Drift = -0.09 dB
Fast SAR: SAR(1 g) = 7.4 mW/g; SAR(10 g) = 5.11 mW/g (SAR corrected for target medium)
Maximum value of SAR (interpolated) = 7.92 W/kg

Below 3 GHz-Rev.5/Ab Scan/3-Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 72.594 V/m; Power Drift = -0.13 dB
Peak SAR (extrapolated) = 9.681 mW/g
SAR(1 g) = 7.35 mW/g; SAR(10 g) = 5.18 mW/g (SAR corrected for target medium)
Maximum value of SAR (measured) = 7.81 W/kg

Below 3 GHz-Rev.5/Ab Scan/4-Z-Axis Scan (1x1x17): Measurement grid: dx=20mm, dy=20mm, dz=10mm
Maximum value of SAR (measured) = 7.78 W/kg

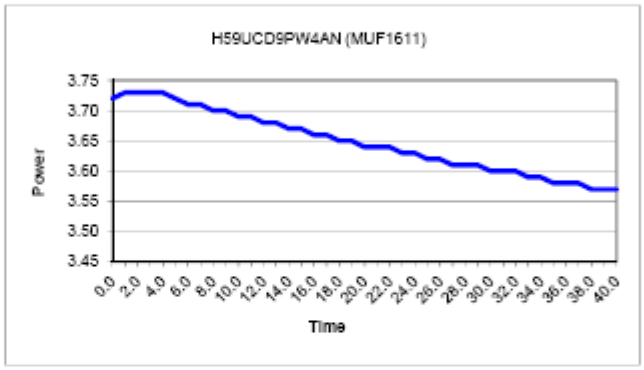


APPENDIX H
DUT Supplementary Data (Power slump)

Model # H59UCD9PW4AN (MUF1611)
Serial # 536TNM0184

Battery#	NNTN8129A	**Transmit Mode**	CW
Frequency	809.0000 MHz	**Audio Accessory**	NTN2574B
Date	10/15/2012		

TX TIME (Minutes)	**Meaured Power (Watts)**
	3
0.0	3.72
1.0	3.73
2.0	3.73
3.0	3.73
4.0	3.73
5.0	3.72
6.0	3.71
7.0	3.71
8.0	3.70
9.0	3.70
10.0	3.69
11.0	3.69
12.0	3.68
13.0	3.68
14.0	3.67
15.0	3.67
16.0	3.66
17.0	3.66
18.0	3.65
19.0	3.65
20.0	3.64
21.0	3.64
22.0	3.64
23.0	3.63
24.0	3.63
25.0	3.62
26.0	3.62
27.0	3.61
28.0	3.61
29.0	3.61
30.0	3.60
31.0	3.60
32.0	3.60
33.0	3.59
34.0	3.59
35.0	3.58
36.0	3.58
37.0	3.58
38.0	3.57
39.0	3.57
40.0	3.57



APPENDIX I
DUT Test Position Photos

Photos available in Exhibit 7B

APPENDIX J
DUT, Body worn and audio accessories Photos

Photos available in Exhibit 7B